

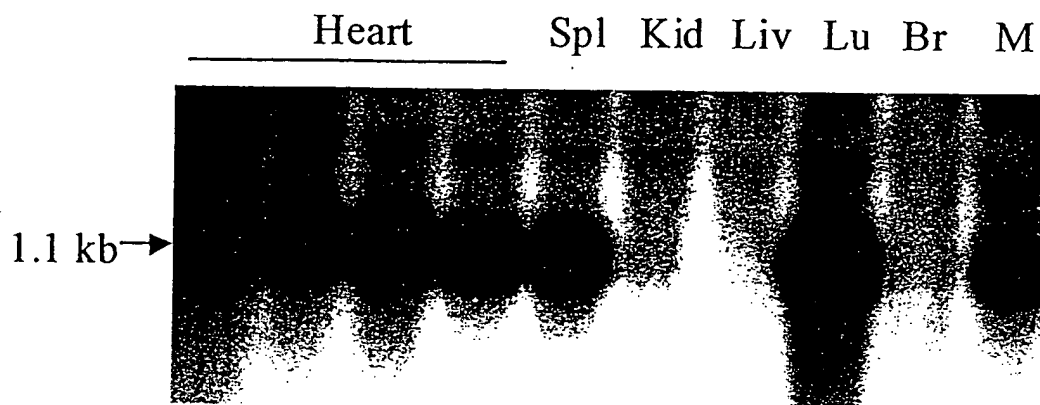
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PQIHNPLGGR ADSPLKGGTR HPQGDRFSHP QVVKVTHPQS DGAHLSKGGK  
ANQPQGNGAG FPAGWSKEGN VLLLLTFLTS LWASGA

**FIG. 1**

TCTAGCGAACCCCTTCGGTGGACAGAACAGCCTGAGTCAGGATGAAAGCTCTCAGGGCTGTCTCTCTGATCTTGCTACTCAGTGGACAGC 90  
AGATCGCTTGGGGAAGCCACCTGTCTTGTGGACTCAGTCTCTACTTTTCGAGAGTCCCGACAGGAGGACTAGAACGATGAGTCACCTGTGC  
L R T P S V D R T A V R H K A L R A V L L I L L L S G O  
CAGGAGCAGCTGGGCACAAGAAGCTGGCGATGTGGACCTGGAGCTAGAGCGCTACAGCTACGATGATGACGGTATGACGATGATGACG 180  
GTCCCTCGTCGACCCGTGTTCTTCGACCGCTACACCTGGACCTCGATCTCGCGATGTGATGCTACTACTGCCACTACTGCTACTACTGC  
P G S S W A O E A G D V D L E L E R Y S Y D D D G D D D D D  
ATGATGAAGAAGAGGAAGAGGAGGAGACCAACATGATCCCTGGCAGCAGGACAGAGCACCGCTCTACAGTGTACTTCTGCCAAGTGC 270  
TACTACTTCTTCTCTCTCTCTCTGTTGTACTAGGACCGCTCGTCCCTGTCTCGTGGCGGAGATGTCACGATGAAGACGGTTCACG  
D D E E E E E E E T N M I P G S R D R A P P L O C Y F C O V  
TTCACAGCGGGAGAGCTGCAACGAGACACAGAGATGCTCCAGCAGCAAGCCCTTCTGTATCACAGTCATCTCCCATGGCAAACTGACA 360  
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L H S G E S C N E T O R C S S S K P F C I T V I S H G K T D  
CAGGTGTCTGACGACCTACTCCATGTGGTGTACTGATACCTGCCAGCCCATCGTGAAGACAGTGGACAGCACCCAAATGACCCAGACCT 450  
GTCCACAGGACTGCTGGATGAGGTACCCACATGACTATGGACGGTCGGGTAGCACTTCTGTACCTGTCTGTTGGTTTACTGGGTCTGGA  
T G V L T T Y S H W C T D T C O P I V K T V D S T O M T O T  
GTTGCCAGTCCACACTCTGCAATATTCACCCCTGGCAGAGCCCCCAATCCACAACCTCTGGGTGGCCGGGACAGACGCCCCCTTGAAGG 540  
CAACGGTCAGGTGTGAGACGTTATAAGGTGGGACCGTCTCGGGGTTTAGGTGTGGGAGACCCACCGGCCGCTGTCTGGGGAACCTCC  
C C O S T L C N I P P W O S P O I H N P L G G R A D S P L K  
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CACCTGGTCTGTAGGAGTTTCACTGTCCAAATCGGTGGGGTCCAACAGTTCCAATGAGTAGGAGTCTCACTACCCCGAGTGAACAGAT  
G G T R H P O G D R F S H P O V V K V T H P O S D G A H L S  
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TCCCACCGTTCCGATTGGTGGGGTCCCTTTACCCCGGCCTAAGGGACGTCCGACCTCGTTAAACCATTGCATCAAGAGGACGAGTGGA  
K G G K A N O P O G N G A G F P A G W S K F G N V V L L L T  
TCCTCACCAGTCTGTGGGCATCAGGGGCCCTAAAGACTCGTCTCCCCCAACCAGGACCTTCAGCCTTTCTCCCTGACAACCAGCTTCA 810  
AGGAGTGGTCAGACACCCGTAGTCCCCGATTCTGAGCAGGAGGGGGTGGTCTGGGAAGTCGGAAAGGAGGGACTGTTGGTCAAGT  
F L T S L W A S G A R L V L P O P G P F S L S S L T T S F  
GAGAATAAACTTGAATGTCTTTTGCCATCTAAAAAAAAAAAAAAAAAAAAAGCGCCGCC 874  
CTCTTATTTGAACCTTACAGAAAACGGTAGATTTTTTTTTTTTTTTTTTTTTTTCGCCGCCG  
R E . T . H S F A I . K K K K K K K K R P P

Fig. 2

# Rat Multiple Tissue Northern Blot



Probe: P00188\_D12 rat cDNA

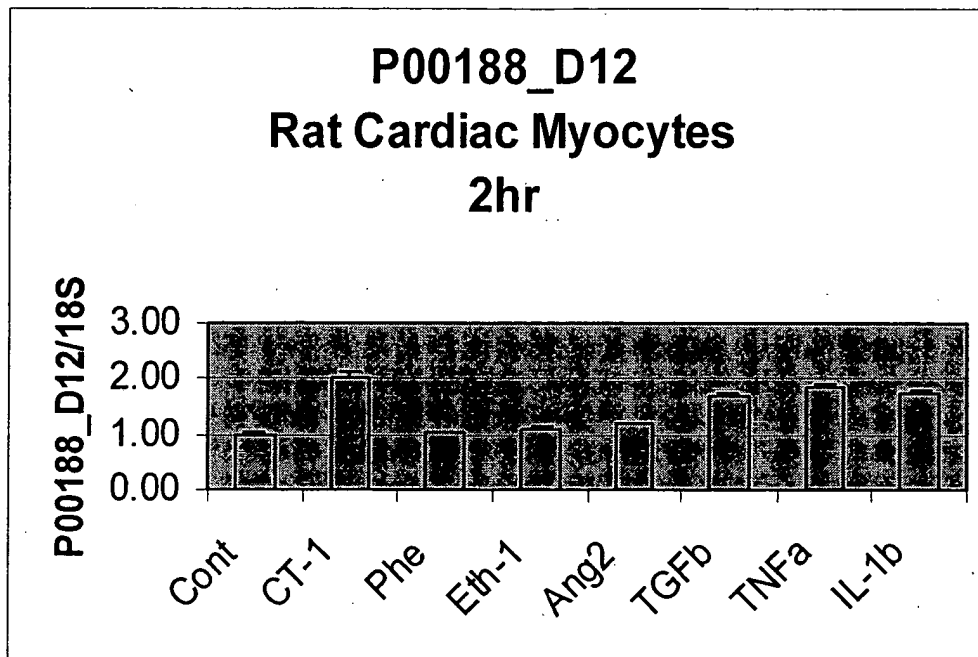
**Fig. 3**

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Fig 4

## Expression of P00188\_D12 in treated rat cardiac myocytes

A



B

